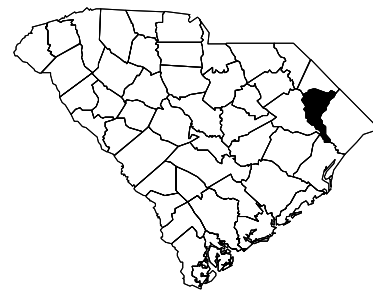


IMPACT OF CHRONIC CONDITIONS MARION County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Marion county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Marion county's population is similar to the state population. The majority (37%) of the population in Marion county are between the ages of 18-44, and there are more females (54%) than males (46%). Marion county has a higher minority population (57%) than the state (32%). When adults in Marion county were asked about their general health status, 73.2% reported having excellent, very good, or good health in 2002 (SC was 83%).

	MARION COUNTY	STATE
Population size	34,964	4,107,183
Age distribution (%)		
<18	26	24
18-44	37	40
45-64	26	24
65-84	11	11
85+	1	1
Race (%)		
White	43	68
Black & Other	57	32
Sex (%)		
Male	46	49
Female	54	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Marion county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	29	27
Sedentary lifestyle	29	42
Overweight	61	60
High Cholesterol	5	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27	.	.	.	.	28.4
Number of hospitalizations	140	97	43	59	81	5,173
Standard rate of hospitalizations (per 100,000)	398	551	246	403	381	125
Median age of hospitalized patients	63	63	65	58	73	63
Total cost of hospitalization (\$)	1,475,200	1,009,100	466,100	646,500	828,700	79,350,400
Average length of hospital stay (days)	4	4	3	3	4	5
Number of ED visits	86	66	20	31	55	7,306
Standard rate of ED visits (per 100,000)	241	369	113	213	277	175
Median age of ED patients	53	48	55	53	53	53
Total cost of ED visits (\$)	53,300	35,000	18,300	18,900	34,400	5,902,800
Number of deaths*	4	3	1	2	2	366
Standard death rate (per 100,000)*	12	19	6	18	9	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	5.34	.	.	.	.	5.13
Number of hospitalizations	424	175	249	203	221	30,831
Standard rate of hospitalizations (per 100,000)	1,204	1,015	1,378	1,506	1,042	734
Median age of hospitalized patients	68	63	68	68	68	68
Total cost of hospitalization (\$)	10,877,100	4,291,700	6,585,400	5,910,500	4,966,600	969,122,700
Average length of hospital stay (days)	5	6	5	5	5	5
Number of ED visits	23	8	15	7	16	2,754
Standard rate of ED visits (per 100,000)	67	50	89	47	80	66
Median age of ED patients	68	73	68	63	73	63
Total cost of ED visits (\$)	76,700	35,000	41,700	32,600	44,100	10,617,900
Number of deaths*	116	62	54	52	64	9,723
Standard death rate (per 100,000)*	352	388	333	490	299	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.46	.	.	.	.	2.38
Number of hospitalizations	233	101	132	113	120	14,317
Standard rate of hospitalizations (per 100,000)	679	610	742	850	574	351
Median age of hospitalized patients	73	73	73	68	78	73
Total cost of hospitalization (\$)	4,171,300	1,636,300	2,535,000	2,162,700	2,008,600	279,819,700
Average length of hospital stay (days)	6	6	6	6	6	6
Number of ED visits	46	27	19	21	25	2,732
Standard rate of ED visits (per 100,000)	140	176	105	178	117	67
Median age of ED patients	73	63	78	68	78	73
Total cost of ED visits (\$)	82,600	41,400	41,200	38,800	43,800	6,322,600
Number of deaths*	45	27	18	16	29	2,816
Standard death rate (per 100,000)*	137	172	108	142	137	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	392	165	227	169	223	14,524
Standard rate of hospitalizations (per 100,000)	1,107	923	1,263	1,196	1,079	351
Median age of hospitalized patients	58	48	63	53	58	58
Total cost of hospitalization (\$)	4,732,900	1,894,600	2,838,300	1,959,700	2,773,200	198,700,700
Average length of hospital stay (days)	5	5	5	4	5	5
Number of ED visits	438	298	140	193	245	37,517
Standard rate of ED visits (per 100,000)	1,285	1,557	907	1,329	1,291	914
Median age of ED patients	33	23	58	33	33	33
Total cost of ED visits (\$)	242,200	160,200	82,000	119,900	122,300	30,607,600
Number of deaths*	18	4	14	9	9	1,891
Standard death rate (per 100,000)*	53	26	75	77	43	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.93	.	.	.	.	8.33
Number of hospitalizations	204	154	50	89	115	8,652
Standard rate of hospitalizations (per 100,000)	576	843	289	616	579	207
Median age of hospitalized patients	48	48	60	48	53	53
Total cost of hospitalization (\$)	2,698,700	2,059,100	639,600	1,299,800	1,398,900	127,167,500
Average length of hospital stay (days)	6	6	5	6	5	6
Number of ED visits	125	94	31	46	79	9,316
Standard rate of ED visits (per 100,000)	356	538	175	331	385	224
Median age of ED patients	53	53	58	53	55	53
Total cost of ED visits (\$)	80,700	61,600	19,100	28,600	52,100	8,261,100
Number of deaths*	13	6	7	2	5	1,114
Standard death rate (per 100,000)*	41	40	42	27	51	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	295	169	126	102	193	24,644
Standard rate of hospitalizations (per 100,000)	863	988	712	780	987	591
Median age of hospitalized patients	58	53	63	63	53	58
Total cost of hospitalization (\$)	6,477,400	3,788,500	2,688,900	2,512,800	3,964,600	605,119,300
Average length of hospital stay (days)	7	8	7	8	7	6
Number of deaths*	68	36	32	36	32	8,320
Standard death rate (per 100,000)*	201	228	179	299	154	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	34	20	14	14	20	2,113
Standard rate of hospitalizations (per 100,000)	98	128	67	106	93	51
Median age of hospitalized patients	68	70	63	68	68	68
Total cost of hospitalization (\$)	1,261,900	823,200	438,700	560,600	701,300	80,248,200
Average length of hospital stay (days)	12	13	10	12	11	10
Number of deaths*	4	1	3	2	2	807
Standard death rate (per 100,000)*	12	6	19	23	9	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	12	6	6	.	12	1,465
Standard rate of hospitalizations (per 100,000)	34	34	31	.	55	35
Median age of hospitalized patients	68	58	75	.	68	63
Total cost of hospitalization (\$)	127,100	63,700	63,400	.	127,100	21,213,600
Average length of hospital stay (days)	3	4	3	.	3	3
Number of deaths*	5	5	-	-	5	630
Standard death rate (per 100,000)*	17	33	-	-	27	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	9	8	11	.	15	5
Median age of hospitalized patients	58	88	45	.	58	48
Total cost of hospitalization (\$)	62,900	20,100	42,800	.	62,900	3,668,300
Average length of hospital stay (days)	13	10	15	.	2	4
Number of deaths*	-	2	-	2	5	26
Standard death rate (per 100,000)*	-	10	-	9	11	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	27	11	16	14	13	2,154
Standard rate of hospitalizations (per 100,000)	78	66	87	112	59	51
Median age of hospitalized patients	78	78	78	68	83	68
Total cost of hospitalization (\$)	534,800	232,300	302,500	290,500	244,300	70,474,400
Average length of hospital stay (days)	9	12	7	9	8	9
Number of deaths*	18	9	9	9	9	2,481
Standard death rate (per 100,000)*	49	54	47	66	41	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	19	13	6	19	.	1,353
Standard rate of hospitalizations (per 100,000)	52	78	29	134	.	32
Median age of hospitalized patients	68	68	65	68	.	68
Total cost of hospitalization (\$)	383,200	273,800	109,400	383,200	.	24,726,200
Average length of hospital stay (days)	6	7	4	6	.	4
Number of deaths*	5	3	2	5	-	478
Standard death rate (per 100,000)*	17	22	11	61	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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